

## Software Reuse Practices Within the Earth Science Community

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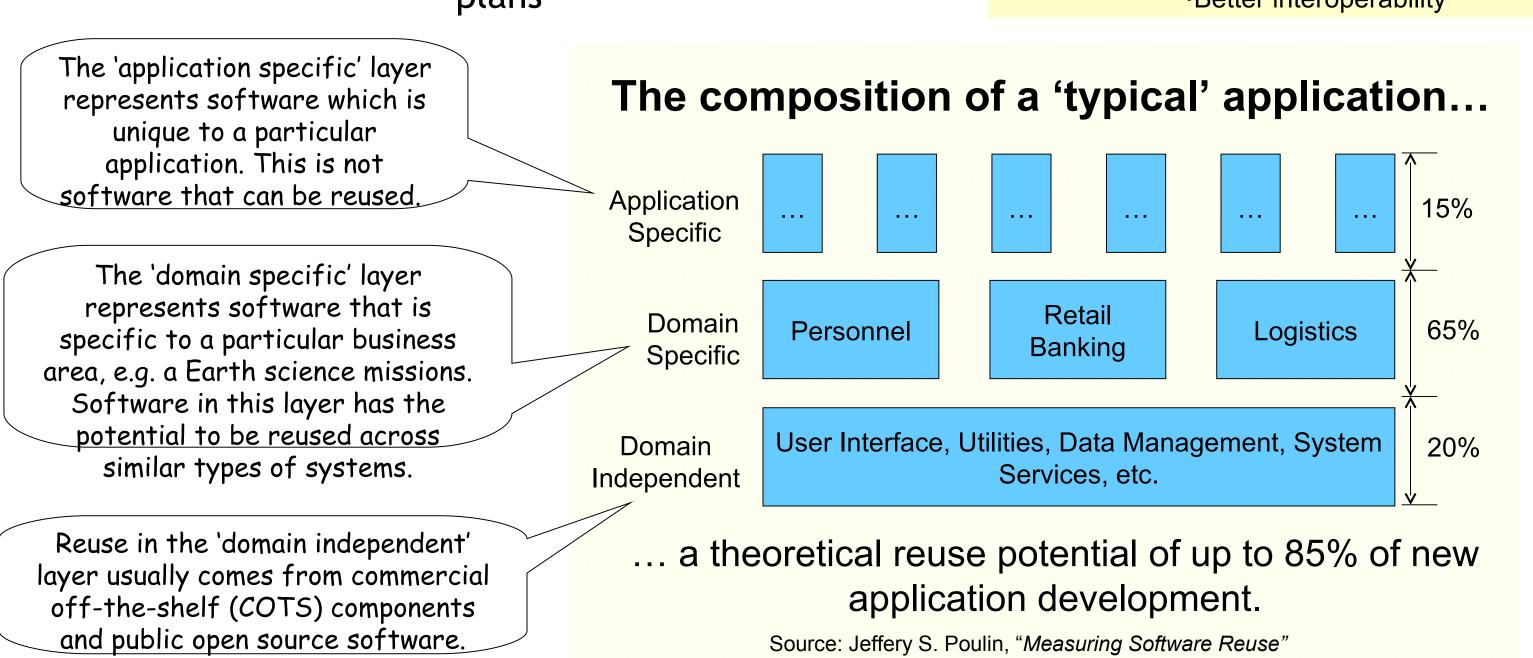
## Software reuse is the process of implementing or updating software systems using pre-existing software assets

Reusable assets can be from any part of the software development life cycle including: software components, objects, software requirement analysis and design models, domain architectures, database schemas, code documentation, test scenarios, and plans

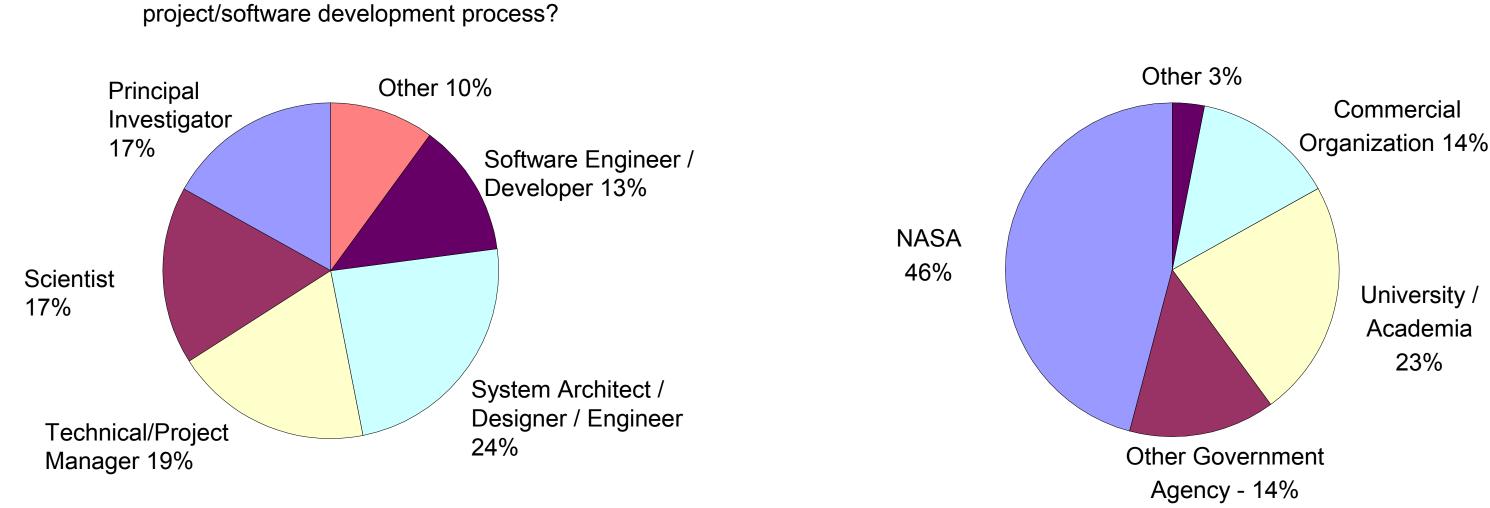
Which of the following best describes your main role in your

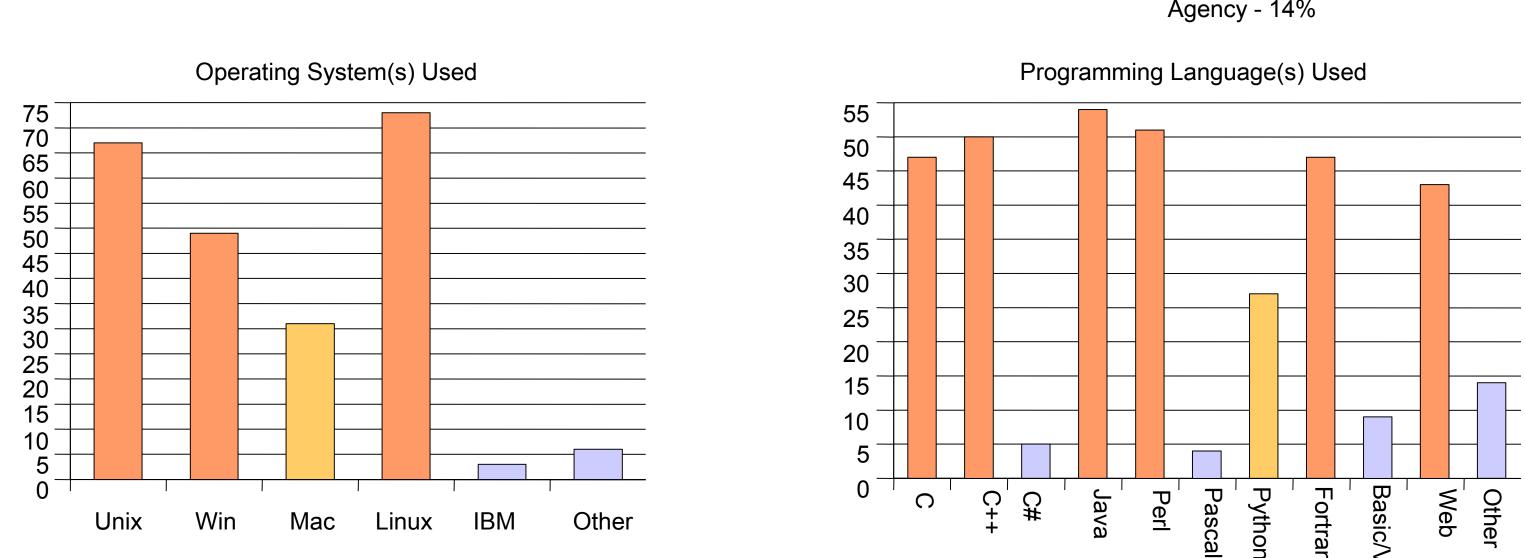
**Expected Benefits of Reuse** Lower development costs •Higher productivity; better use of resources •Reduce cycle time; quicker development Lower training costs •Easier maintenance Higher quality Lower risk Better interoperability

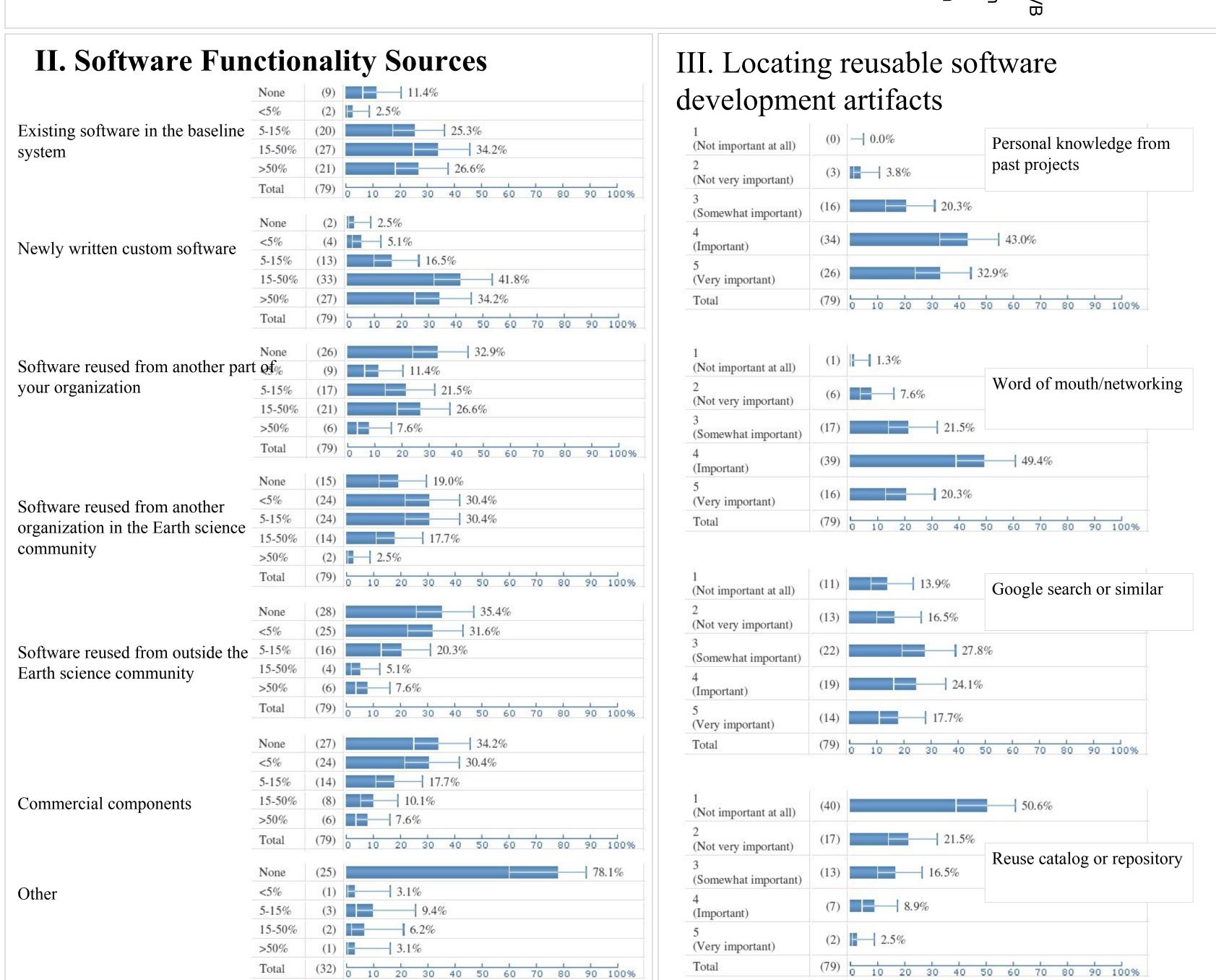
Which category best describes the type of your organization?



## **Reuse Survey – Community Profile**

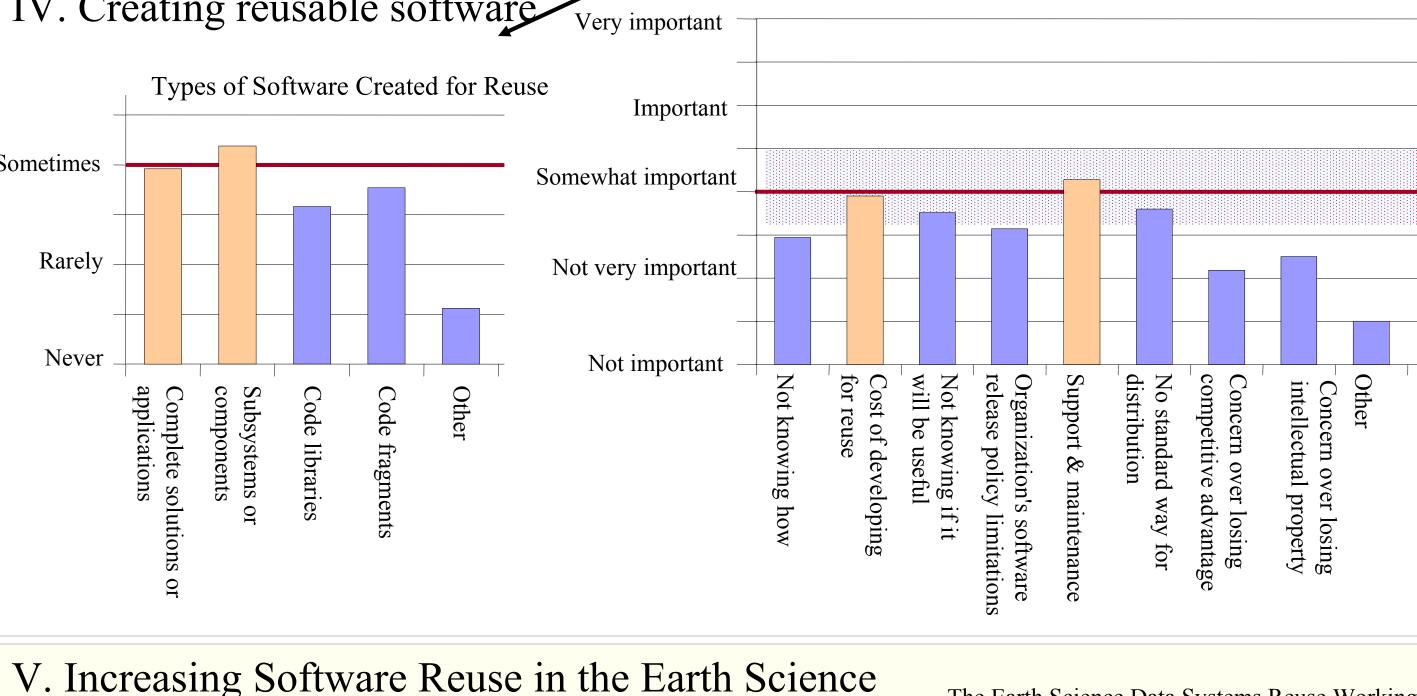


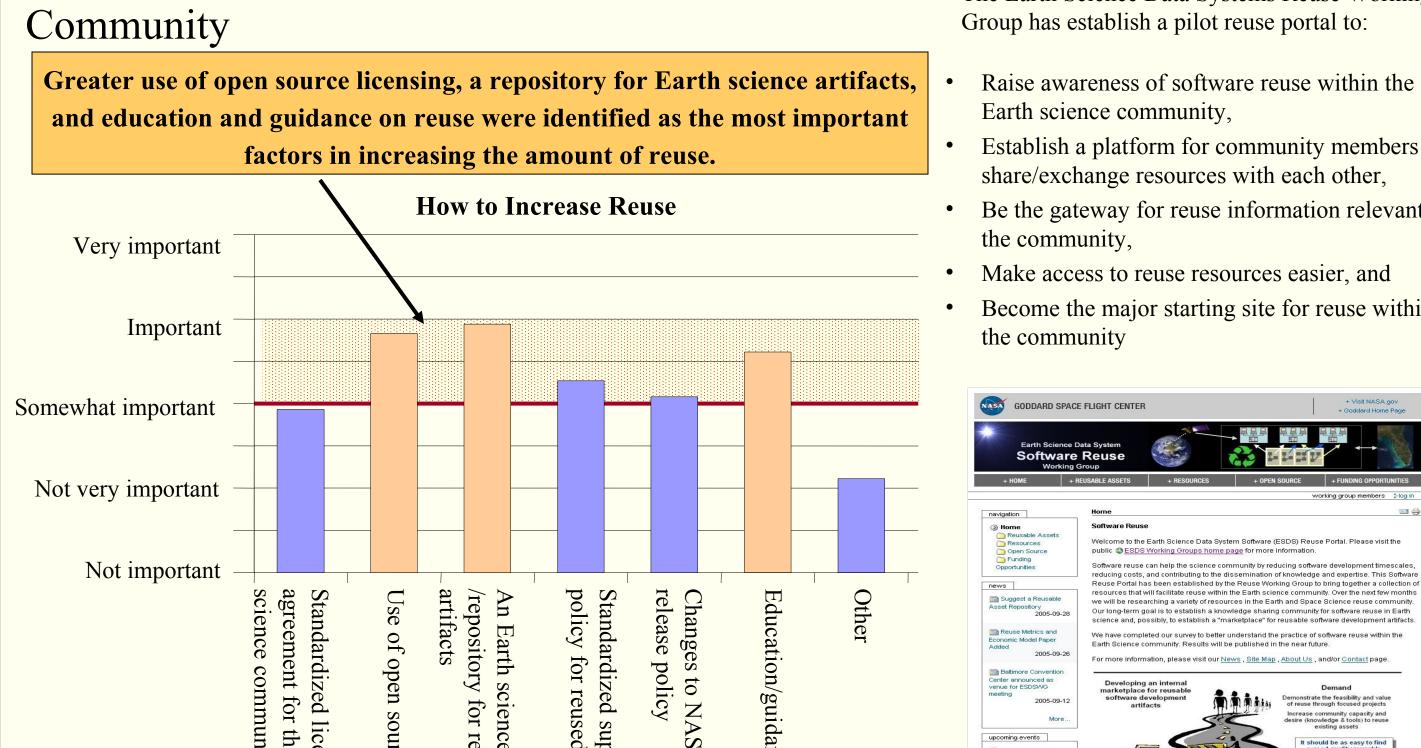




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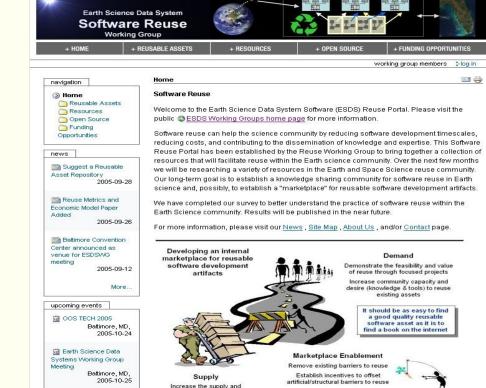




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The Earth Science Data Systems Reuse Working Group has establish a pilot reuse portal to:

- Earth science community, Establish a platform for community members to share/exchange resources with each other, • Be the gateway for reuse information relevant to the community,
- Make access to reuse resources easier, and • Become the major starting site for reuse within the community



http://softwarereuse.nasa.gov/